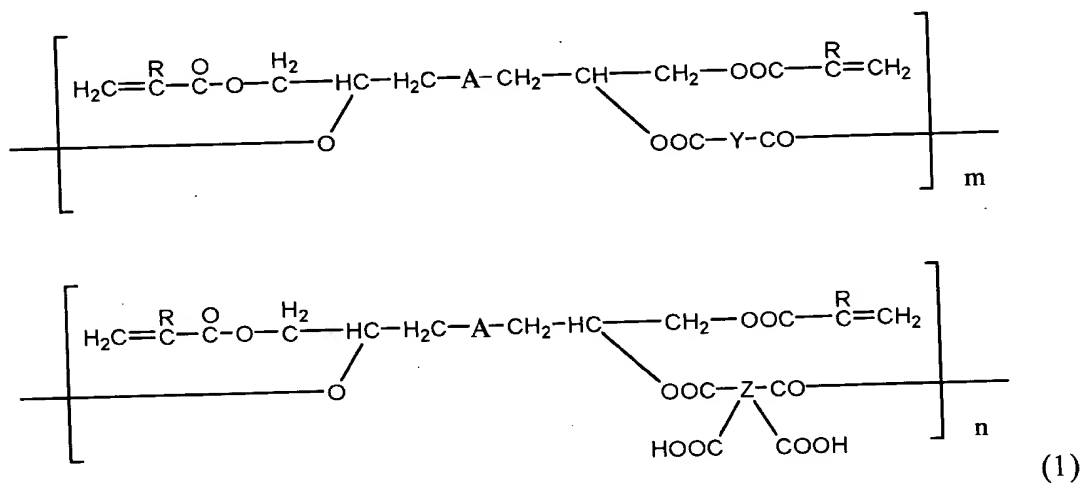


What is claimed is:

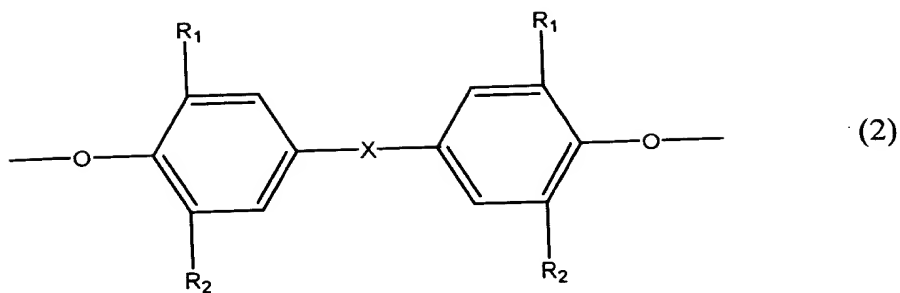
1. A photo- or heat-curable resin composition for forming a resin insulation layer in a printed wiring board comprising 0.01-5 parts by weight of an inorganic filler with its average particle diameter controlled in the range 5 nm-0.5  $\mu$  m per 100 parts by weight of the resin-forming component.

2. A photo- or heat-curable resin composition as described in claim 1 comprising

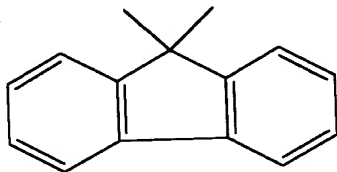
(A) 100 parts by weight of a photopolymerizable unsaturated compound represented by the following general formula (1)



wherein R is a hydrogen atom or a methyl group, A is a group represented by the formula (2)



(wherein  $R_1$  and  $R_2$  are independently hydrogen, an alkyl group with 1-5 carbon atoms, or a halogen),  $X$  is  $-\text{CO}-$ ,  $-\text{SO}_2-$ ,  $-\text{C}(\text{CF}_3)_2-$ ,  $-\text{Si}(\text{CH}_3)_2-$ ,  $-\text{CH}_2-$ ,  $-\text{O}-$ ,  $-\text{S}-$ ,



or a direct bond,  $Y$  and  $Z$  are respectively the residue of a polycarboxylic acid or its acid anhydride, and  $m$  and  $n$  are the number of repeating units at a molar ratio  $m/n$  0/100 - 100/0,

(B) 0-50 parts by weight of a compound containing an epoxy group, and  
(C) 0-10 parts by weight of a photopolymerization initiator or sensitizer.

3. A photo- or heat-curable resin composition as described in claim 1 wherein the inorganic filler is silica sol.

4. A photo- or heat-curable resin composition as described in claim 1 wherein the resin-forming component comprises (A) 30-80% by weight of a photopolymerizable unsaturated compound, (B) 10-50% by weight of a compound containing an epoxy group, and 10-40% by weight of a polyfunctional acrylate, the inorganic filler is composed of silica sol with its average particle diameter controlled in the range 10-100 nm, and the

composition is formulated from 100 parts by weight of the resin-forming component, 0.1-1 part by weight of the inorganic filler as silica, and 1-5 parts by weight of the photopolymerization initiator.

5. A multilayer printed wiring board wherein a resin insulation layer is formed by the cured product of a photo- or heat-curable resin composition as described in claim 1.

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